

YTK-105

Chemical Properties

CAS No. : 774192-20-0

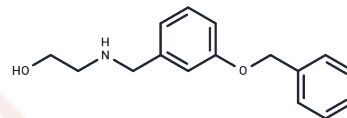
Formula: C₁₆H₁₉NO₂

Molecular Weight: 257.33

Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	YTK-105 is a ligand targeting autophagy that binds to p62.
Targets(IC50)	p62
In vitro	YTK-105 is a ligand for the p62-ZZ structural domain that activates p62-dependent selective macroautophagy.YTK-105 can be used in the design of AUTOTAC.

Solubility Information

Solubility	DMSO: 150 mg/mL (582.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8861 mL	19.4303 mL	38.8606 mL
5 mM	0.7772 mL	3.8861 mL	7.7721 mL
10 mM	0.3886 mL	1.943 mL	3.8861 mL
50 mM	0.0777 mL	0.3886 mL	0.7772 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Ji CH, et al. The AUTOTAC chemical biology platform for targeted protein degradation via the autophagy-lysosome system. Nat Commun. 2022 Feb 16;13(1):904.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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